IN THE CLAIMS

Please amend claims 1, 5 and 9 as indicated below.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended) A method for securing alterable data in a remotely managed system comprising the steps of:

providing protected storage accessible only by Basic Input Output System (BIOS) code;

storing a symmetrical encryption Key in said protected storage;

encrypting normally unaccessible (NA) data with said symmetrical encryption Key; and

storing said encrypted NA data and accessible non-encrypted (ANE) data in an unprotected electronically erasable programmable read only memory (EEPROM) with existing write protect algorithms.

Claim 2 (original) The method of claim 1 further comprising the steps of:

altering said ANE data by issuing an existing write request to said BIOS from said write protect algorithms for said EEPROM; and

updating said ANE data in said EEPROM.

Claim 3 (original) The method of claim 1 further comprising the steps of:

accessing said NA data via a change request issued to said BIOS over a secure communication link;

validating said change request;

retrieving said symmetrical encryption Key by said BIOS in response to said validated change request;

using said symmetrical encryption Key to decrypt and alter said NA data;

encrypting said altered NA data using said symmetrical encryption Key; and

storing said altered encrypted NA data in said EEPROM.

Claim 4 (original) The method of claim 1 further comprising the steps of:

hashing said ANE data and encrypting said Hash with said symmetrical encryption Key;

storing said encrypted Hash with said ANE data;

computing a Hash of configuration data in said ANE data on a boot-up request;

decrypting said stored encrypted Hash of said configuration data;

comparing said decrypted Hash of said stored configuration data to said computed Hash of said configuration data from said ANE data;

booting normally in response to a compare of said decrypted Hash and said computed hash; and

issuing tamper notification and initiating recovery processes on a non-compare of said decrypted Hash and said computed hash.

Claim 5 (currently amended) A computer program product for securing alterable data in a remotely managed system with minimal secure storage, said computer program product embodied in a machine readable medium, including programming for a processor, said computer program comprising a program of instructions for performing the program steps of:

providing protected storage accessible only by Basic Input Output System (BIOS) code;

storing a symmetrical encryption Key in said protected storage;

encrypting normally unaccessible (NA) data with said symmetrical encryption Key; and

storing said encrypted NA data and accessible non-encrypted (ANE) data in an unprotected electronically erasable programmable read only memory (EEPROM) with existing write protect algorithms.

Claim 6 (original) The computer program product of claim 5 further comprising the program steps of:

altering said ANE data by issuing an existing write request to said BIOS from said write protect algorithms for said EEPROM; and

updating said ANE data in said EEPROM.

Claim 7 (original) The computer program product of claim 5 further comprising the program steps of:

accessing said NA data via a change request issued to said BIOS over a secure communication link;

validating said change request;

retrieving said symmetrical encryption Key by said BIOS in response to said validated change request;

using said symmetrical encryption Key to decrypt and alter said NA data;

encrypting said altered NA data using said symmetrical encryption Key; and

storing said altered encrypted NA data in said EEPROM.

Claim 8 (original) The computer program product of claim 5 further comprising the program steps of:

hashing said ANE data and encrypting said Hash with said symmetrical encryption Key ;

storing said encrypted Hash with said ANE data;

computing a Hash of configuration data in said ANE data on a boot-up request;

decrypting said stored encrypted Hash of said configuration data;

comparing said decrypted Hash of said stored configuration data to said computed Hash of said configuration data from said ANE data;

booting normally in response to a compare of said decrypted Hash and said computed hash; and

issuing tamper notification and initiating recovery processes on a non-compare of said decrypted Hash and said computed hash.

Claim 9 (currently amended) A computer system comprising:

a central processing unit (CPU);

a random access memory (RAM);

an electronically erasable programmable read only memory (EEPROM);

an I/O adapter; and

a bus system coupling said CPU to said EEPROM, said I/O adapter, and said RAM, wherein said CPU further comprises:

protected storage accessible only by Basic Input Output System (BIOS) code;

circuitry for storing said symmetrical encryption Key in a protected storage;

circuitry for encrypting normally unaccessible (NA) data with said symmetrical encryption key; and

circuitry for storing said encrypted NA data and accessible non-encrypted (ANE) data in a non-protected electronically erasable programmable read only memory (EEPROM) with existing write protect algorithms.

Claim 10 (original) The data processing system of claim 9 further comprising:

circuitry for altering said ANE data by issuing an existing write request to said BIOS from said write protect algorithms for said EEPROM; and

circuitry for updating said ANE data in said EEPROM.

Claim 11 (original) The data processing system of claim 9 further comprising:

circuitry for accessing said NA data via a change request issued to said BIOS over a secure communication link;

circuitry for validating said change request;

circuitry for retrieving said symmetrical encryption Key by said BIOS in response to said validated change request;

circuitry for decrypting and altering said NA data said using said symmetrical encryption Key;

circuitry for encrypting said altered NA data using said symmetrical encryption Key; and

circuitry for storing said altered encrypted NA data in said EEPROM.

Claim 12 (original) The data processing system of claim 9 further comprising:

circuitry for hashing said ANE data and encrypting said Hash with said symmetrical encryption Key;

circuitry for storing said encrypted Hash with said ANE data;

circuitry for computing a Hash of configuration data in said ANE data on a boot-up request;

circuitry for decrypting said stored encrypted Hash of said configuration data;

circuitry for comparing said decrypted Hash of said stored configuration data to said computed Hash of said configuration data from said ANE data;

circuitry for booting normally in response to a compare of said decrypted Hash and said computed hash; and

circuitry for issuing tamper notification and initiating recovery processes on a non-compare of said decrypted Hash and said computed hash.